IN THE CLAIMS

Claims 19 is amended and claim 28 is added:

Claims 1-14: Cancelled

15. (Original) A plasma lighting bulb, comprising:

a bulb emitting light, being formed of a transparent material, and having a plurality of hexagonal patterns formed on an outer surface of the bulb due to an alignment of a plurality of grooves having a predetermined depth; and

a metal wire blocking electromagnetic waves formed in the grooves forming the patterns.

16. (Original) The lighting bulb according to claim 15, wherein the transparent material includes one of glass and plastic.

17. (Original) The lighting bulb according to claim 15, wherein a cross-section of the grooves forming the hexagonal patterns is formed of one of a semicircular shape, a V-shape, and a polygonal shape.

18. (Original) The lighting bulb according to claim 15, wherein the metal wire is formed of one of copper (Cu), aluminum (Al), and silver (Ag)-coated copper (Cu).

19. (Currently Amended) A plasma lighting bulb comprising:

a bulb ~~having grooves of a predetermined depth on at least an inner or an outer surface of the bulb, wherein the grooves form a plurality of patterns comprising at least one of circular shapes and polygons~~;

a plurality of groves formed on at least an inner or an outer surface of the bulb; and

metal formed in the plurality of grooves for blocking electromagnetic waves, wherein the plurality of grooves forms a plurality of polygon patterns

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20. (Previously Presented) The plasma lighting bulb of claim 19, wherein the bulb is formed of a transparent material.

21. (Previously Presented) The plasma lighting bulb of claims 20, wherein the transparent material is glass.

22. (Previously Presented) The plasma lighting bulb of claim 20, wherein the transparent material is plastic.

23. (Previously Presented) The plasma lighting bulb of claim 19, wherein the cross-section of the groves is a semi-circular shape, a V-shape, or a polygonal shape.

24. (Previously Presented) The plasma lighting bulb of claim 19, wherein the metal in the groves is formed of wire.

25. (Previously Presented) The plasma lighting bulb of claim 19, wherein the metal is filled within the grooves.

26. (Previously Presented) The plasma lighting bulb of claim 19, wherein the metal includes one of copper (Cu), aluminum (Al), and silver (Ag).

27. (Previously Presented) The plasma lighting bulb of claim 19, wherein the polygons are one of triangles and hexagons.

28. (New) A plasma lighting bulb, comprising:

a bulb;

a plurality of grooves formed on at least an inner or an outer surface of the bulb; and

metal formed in the plurality of grooves for blocking electromagnetic waves, wherein the plurality of grooves forms a plurality of patterns comprising at least one of circular shapes and polygons, wherein each of the plurality of patterns is the same size as that of adjacent patterns.